

Att'y. Dkt. No. 036451-0145 (3682.Palm.SG)

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A lighting system for a display, comprising:
a light source providing invisible light having a wavelength in a spectrum not visible to the human eye;
a reflective layer having phosphorescent coatings in a substrate, the phosphorescent coated surface reflecting the invisible light from the light source and converting the invisible light into visible light visible to the human eye; and
a display layer in which pixels of the display layer may be altered by applying an electrical charge to the display layer in a controlled manner, the display layer being illuminated by the visible light from the reflective layer,
wherein the light source is located below the display layer opposite the side of the display layer viewed by the human eye.
2. (Original) The lighting system of claim 1, wherein the light source includes a light guide.
3. (Currently Amended) The lighting system of claim 1, wherein the light source ~~is provide above the display layer~~ provides infrared (IR) light.
4. (Currently Amended) The lighting system of claim 1, wherein the light source ~~is provided below the display layer~~ a single light source.
5. Cancelled.
6. (Original) The lighting system of claim 1, wherein reflective layer includes metallized coatings on a substrate.

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7. (Original) The lighting system of claim 1, wherein the reflective layer includes fluorescent coatings on a substrate.
8. (Original) The lighting system of claim 1, wherein the light source includes a light emitting diode (LED).
9. (Original) The lighting system of claim 1, wherein the light source provides at least one of ultraviolet (UV) light and infrared (IR) light.
10. (Currently Amended) A method of producing an image on a display;
generating a source of ~~invisible~~ infrared light, the light having a wavelength in a the infrared spectrum not visible to the human eye;
distributing the ~~invisible~~ infrared light over the surface of a reflective layer, the reflective layer including at least one of a phosphorescent and a fluorescent surface;
reflecting the ~~invisible~~ infrared light from the light source by the reflective layer;
converting the ~~invisible~~ infrared light into visible light visible to the human eye; and
illuminating a display element with the visible light, the display element including individually selectable pixel elements.
11. (Original) The method of claim 10, wherein the source of light includes a light emitting diode (LED).
12. (Currently Amended) The method of claim 10, wherein the ~~invisible light includes light having wavelengths in the ultraviolet (UV) spectrum~~ display element is a flexible display.
13. (Currently Amended) The method of claim 10, wherein the ~~invisible light includes light having wavelengths in the infrared (IR) spectrum~~ source of infrared light is located behind the display element.

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14. (Original) The method of claim 10, wherein the reflective layer includes a metallized surface.

15. (Original) The method of claim 10, wherein the display element is a liquid crystal display element.

16. (Original) The method of claim 10, wherein the display element is an electronic paper (e-paper) display element.

17. (Currently Amended) A display system, comprising:
a light source providing invisible light having a wavelength in a spectrum not visible to the human eye;
a light guide, dispersing the invisible light over a defined region;
a light converter, converting the invisible light to light having a wavelength visible to the human eye, the light converter having metallized coatings on a substrate to reflect visible and invisible light, and the light converter having phosphorescent coatings on the substrate; and
a ~~liquid crystal~~ flexible display layer receiving and transmitting the visible light.

18. (Currently Amended) The display system of claim 17, wherein the light guide overlays the ~~liquid crystal~~ flexible display layer.

19. (Currently Amended) The display system of claim 17, wherein the ~~liquid crystal~~ flexible display layer overlays the light guide.

20. Cancelled.

21. Cancelled.

22. (Original) The display system of claim 17, wherein the light converter includes fluorescent coatings on a substrate.

23. Cancelled.

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24. (Original) The display system of claim 17, wherein the light source and light guide combine to form a front lighting system.

25. (Original) The display system of claim 17, wherein the light source and light guide combine to form a back lighting system.

26. (Original) The display system of claim 17, wherein the light source includes a light emitting diode (LED).

27. (Original) The display system of claim 17, wherein the light source provides at least one of ultraviolet (UV) light and infrared (IR) light.